

## ABSTRACT OF THE DISCLOSURE

A method of defective pixel address detection for image sensor. During the image sensor is tested, a number of defective pixel addresses of the image sensor are stored into a memory element and indexed. Each of the pixels of the image sensor is read in sequence and then compared with the indexed defective pixel address. If the sensor address is equal to the indexed defective pixel address, a defective pixel flag is outputted and then the index is increased by one. If the sensor address is not equal to the defective pixel address, the defective pixel address is compared with an empty signature. After the index is increased or the defective pixel address is not an empty signature, the detection process is continued.